

Marie Amalric, PhD

marie.amalric@inserm.fr

<http://www.normalesup.org/~mamalric/index.html>

CURRICULUM

- 2025 -** **Inserm Junior Professor (CPJ)**, INSERM/CEA Cognitive NeuroImaging Unit U992, Université Paris-Saclay, Gif-sur-Yvette, France.
- 2022 - 2024** **Postdoctoral Fellow in Cognitive Neuroscience**, Center for Mind/Brain Sciences (CIMeC), Università degli studi di Trento, Italy.
Faculty Advisor: Manuela Piazza
Funding: H2020 Marie Skłodowska-Curie Global Fellowship n°839611 “NeuroMath”, and University of Trento MSCA+1 Fellowship.
- 2020 - 2022** **Postdoctoral Fellow in Cognitive Neuroscience**, Department of Psychology, Laboratory for Developmental Studies, Harvard University, Cambridge, MA.
Faculty Advisor: Elizabeth Spelke
Funding: H2020 Marie Skłodowska-Curie Global Fellowship n°839611 “NeuroMath”.
- 2017 - 2020** **Postdoctoral Fellow in Cognitive Neuroscience**, CAOs Lab, Department of Brain and Cognitive Sciences, University of Rochester, NY, (2017-2018); Department of Psychology, Carnegie Mellon University, Pittsburgh, PA (2018-2020)
Faculty Advisor: Jessica Cantlon
Funding: Fyssen Foundation Fellowship.
- 2016 - 2017** **Research and Teaching Fellow**, Collège de France, Paris.
Faculty Advisor: Stanislas Dehaene.
- 2013 - 2017** **Ph.D. in Cognitive Neuroscience**, Sorbonne Université – Pierre et Marie Curie – Paris 6.
Faculty advisor: Stanislas Dehaene.
Funding: DIM “Cerveau et pensée” – Ile-de-France region.
- 2010 - 2013** **M.S. in Engineering Mathematics**, Institut Polytechnique de Paris – ENSTA Paris.
- 2009 - 2013** **École Normale Supérieure – PSL (ENS Paris, Ulm)**, Department of Cognitive Studies:
2012 **M.A. in Cognitive Science (Cogmaster)**, École Normale Supérieure – PSL (ENS Paris, Ulm).
2010 **B.A. in Mathematics**, Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6.
- 2007 - 2009** **Preparatory Classes to ‘Grandes Ecoles’ - MPSI/MP* - Lycée Louis Le Grand – Paris.**

TEACHING & ADVISING

Teaching experience:

- 2025 -** **Assistant Professor**, Master Neuroscience, ED Biosigne, Université Paris-Saclay.
Development, Learning, and Associated Disorders.
- 2018 - 2024** **Lecturer**, Master EdTech (Technologies of innovation for E-education), Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6.
Introduction to Educational Neuroscience. ~ 20 students
- 2016, 2019** **Guest Lecturer**, Institut Villebon Georges Charpak (2016); Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6, University degree “Learning to learn” (2019).
Introduction to Math Cognition
- 2010 - 2013** **Science Teacher**, TALENS (tutoring program of École Normale Supérieure, Paris).
Weekly math and physics lectures, and organization of cultural trips for high-school students

from underprivileged communities. ~ 10 students

Advising:

- 2023-2024** 1 Master student, Centre for Brain/Mind Sciences, University of Trento, Italy.
1 Undergraduate thesis student, University of Bath, UK.
- 2020-2022** 4 Undergraduate research assistants, Harvard University, Cambridge, MA.
1 Undergraduate research assistant, Brigham Young University, Provo, UT.
1 Undergraduate thesis student, Emmanuel College, Boston, MA.
- 2017-2020** 1 Master student, Université Paris Descartes, France.
2 Master students (Cogmaster), École Normale Supérieure - Paris Ulm, France.

GRANTS, FELLOWSHIPS & AWARDS

Grants:

- 2024** **Starting Grant**, Fondo Italiano per la Scienza 2022 – 2023 (BANDO FIS 2),
1 323 606€ - renounced.

Fellowships:

- 2023** **Postdoctoral fellowship**, University of Trento MSCA+1, 67 500€.
- 2019** **Postdoctoral fellowship**, H2020-MSCA-IF-GF-GA 839611 “NeuroMath”, 246 844€.
- 2018** **Latin American School fellow**, 7th School for Education, Cognitive and Neural Sciences, Chile.
- 2017** **Postdoctoral fellowship**, Fyssen Foundation, 50 000€.
- 2013** **Doctoral fellowship**, DIM-Cerveau et pensée (Région Ile-de-France).

Academic recognition:

- 2018** **Prize of Ph.D. thesis**, Chancellerie des Universités de Paris, 10 000€
- 2013** **Best final internship award**, ENSTA Paris Alumni, 2 000€

ACADEMIC & PROFESSIONAL SERVICE

Consulting and Committee Experience:

- **Member** of the French CSEN “Conseil Scientifique de l’Éducation Nationale” (since 2021).
- **Scientific Advisor** for the NSF grant “Algorithmic Foundations of Mathematical Knowledge” (2022-2026).
PI: Steve Piantadosi, University of California Berkeley.
- **NSF Panelist** for the EDU Core Research Program 2024.
- **Elected representant** of doctoral students at the Research Commission of Sorbonne Université – Pierre et Marie Curie – Paris 6 (2016-2017).

Ad hoc manuscript reviewer:

In the past 4 years, I have reviewed 15 articles for the journals *Proceedings of the National Academy of Science*, *Open Mind*, *eLife*, *Scientific Reports*, *Cognitive Science*, *Cortex*, *Science*, *Cerebral Cortex*, *Neuropsychologia*, *NeuroImage*, *Cognition*, *Trends in Neuroscience and Education*, *Journal of Cognitive Neuroscience*, and *Journal of Experimental Psychology: General*.